



AIR CABIN HEATERS-ELECTRICAL

ACH POWERED BY 400 Hz / 200 V GPU OR 50 HZ / 400 V

APU OFF

CR80

The GUINAULT Air Cabin Heater ensures the supply of the airflow for heating purpose to both civil and military aircraft, of all types in the most extreme environments. Its ultra-sturdy design is fully protected against corrosion and is engineered to withstand harsh conditions in airport environments. The logical commonality of elements assists in the functional understanding of the machine, and contributes to the quality of maintenance.

GENERATING VALUE

- Improve comfort and quality on board
- Greatly reduce the ground-level noise
- Use it in remote aircraft parking without diesel engine, in connection with a 400 Hz GPU
- Achieve significant cost reductions in jet fuel for airlines

ADVANTAGES

- Performance and efficiency under extreme conditions (down to -30°C)
- Flow, pressure and temperature electronic control with aircraft selection
- Maintenance access, modular construction
- Low Total Cost of Ownership
- Sturdiness and reliability
- Approved by German Berufsgenossenschaft

Specifications

CR80

INPUT	Input power	Voltage 400 V \pm 10%, 50 or 60 Hz Voltage 200 V as per ISO6858 / 400 Hz for the 400 Hz version Alternative : 400 Hz input power socket Power: - 91 kW max (max power can be reduced by software set up (80 kW heating power and 11 kW blower)
	Input power cable	50 Hz version: 20 m long / 4 x 35 mm ² cable - plug CE60309 400 Hz version: 20 m long / 4 x 70 mm ² - plug STANAG 3303 (male) Cable compartment at the front side of the machine
OUTPUT	Output power*	Airflow 0 to 3000 m ³ /h = 1765 cfm - electronically controlled - Pressure 8000 Pascal = 1,16 psi at aircraft connector at rated flow - Heating capacity: 80 kW (273 700 BTU/h) - Air temperature: adjustable / 60°C maximum
DIMENSIONS AND WEIGHTS	Weight (approx.) L x W x H	1000 kg 3223 x 1240 x 1474 mm (= 10 ft 6.9 in x 4 ft 0.82 in x 4 ft 10 in)

* Given at 15°C/sea level

MAIN CHARACTERISTICS AND OPERATIONS

- Operation temperature : - 30°C to + 35°C
- Air distribution:
 - one insulated hose / 8 m long
 - hose compartment at the rear side of the ACH
- Noise level:
 - 75 dB at control panel - measured at 1 m distance
 - the lowest noise level achieved on the market due to a single part polyester canopy and a very low air inlet speed
- Use friendly:
 - simply select the aircraft type on the display
 - the heater will set up all parameter (temperature, pressure, flow) to operate as per aircraft requirement
- Maintenance:
 - limited to the replacement / cleaning of the air inlet filters
 - the air filters can be replaced without opening the canopy, by simple removing the rear air inlet grid

Data are subject to modification without prior notice.